

# Massage Tub Installation Manual

## U26 Series

(U2603.U2603A.U2605.U2605A.U2605B.U2606.U2606A.U2606B  
U2607.U2607A.U2607B.U2608.U2608A.U2608B.U2609.U2609A)

All set up dimensions are in Millimeters



## I. Safety Notice:

This product must be powered by alone power Creepage protection device(RCD) with less than 30mA electric current.

The power wire must be equipped with Creepage Overload Protection Switch!

The ground wire of appliance must be permanently connected to fixed ground wire to avoid electric shocks, please replace the damaged wire in time. Do not use outspread power connection. The location of electrical Socket must be proper!

The out wire of water pump must be grounded nicely!

No permission to unauthorised machine modification to avoid accidents!

The hot water temperature must not exceed 75℃ !

The installation, repairing and replacement of products must be operated by professional electricians or distributors. Do not change anything without explicit approval.

## II. Technical Parameters:

### 1. Model, Size and Function table of massage bathtub

Model	Size: L×W×H Unit: mm(±2%)	Function and Configuratio													
		Computer Panel	FM Radio	CD Connection	Waterfall Colorful Light	Underwater Light	Massage and Surf	Bubble Bath	Waterfall Water Inlet	TV	Water Temperature Adjust	Automatic Cleaning Function	Change-Over Switch	Handheld Shower	Recycle Waterfall
U2605	1910X1010X740	●	●	●	●	●	●	●	●	▲	●	●	●	●	●
U2606	1910X1590X770	●	●	●	●	●	●	●	●	▲	●	●	●	●	●
U2607	1910X1590X770	●	●	●	●	●	●	●	●	▲	●	●	●	●	●
U2608	1810X1810X770	●	●	●	●	●	●	●	●	▲	●	●	●	●	●
U2609	1970X1630X810	●	●	●	●	●	●	●	●	▲	●	●	●	●	●
U2603	1970X1970X810	●	●	●	●	●	●	●	●	▲	●	●	●	●	●

“▲” is optional function

Above information in the table is only for reference. Our company shall reserve the right to change or modify the relevant parameters and add or reduce product specifications, models, and configurations. They are subject to the actual configuration without prior notice. For more details, please consult your local dealer.

### 2. Electric Parameter:

Rated Supply Voltage	Rated Supply Frequency	Rated Power	Rated Electric Current	Computer Panel Voltage	Underwater Light Voltage/ Power	Ozonizer Voltage/ Power	Waterfall Colorful Light Voltage/ Power
AC220V	50Hz	1500/1700W	6. 9A-7. 8A	AC12V	AC12V 1W	AC12V 6W	AC12V 15W

### 3. Water Flow Parameters :

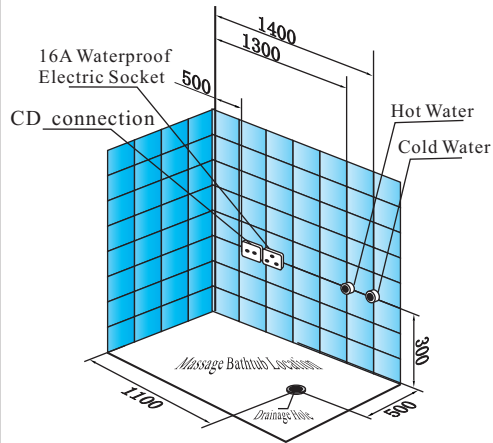
Rated Water Pressure	Water Flow Rate	Joint Diameter for Water Supply and Discharge	
Mpa	L/min	Cold/Hot Water	Drainer
0.2-0.4	12-16	DN15	DN40

### III. Water and Power installation drawings

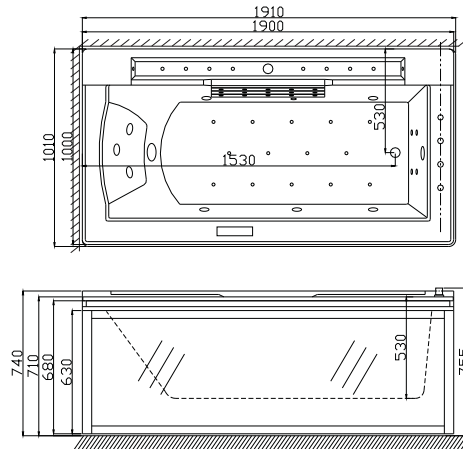
Power Use Advice: The Power Supply Switch(With the Creepage Protection Switch ) should be mounted about 1000 mm away from the bathtub during installation in the site so that the power can be cut off after each use to ensure safety and the service life of computer control system of the product.

MODEL:WG-U2605 /U2605B

SIZE:1910X1010X740



**Three Dimensional  
Installation Diagram**



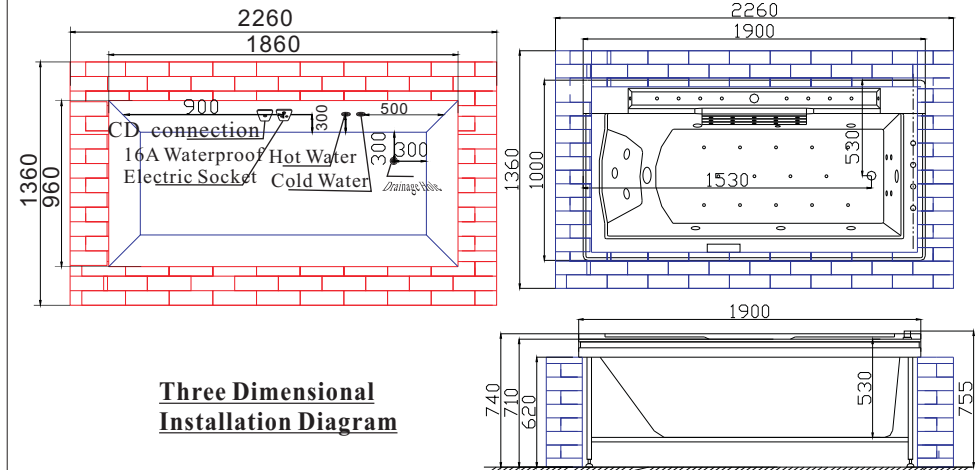
**Plane Diagram**

01. **Water Supply** : one hot water pipe and one cold water pipe, Install the DN15(G1/2) shut-off valve on the 300mm height wall,  $0.15\text{Mpa} \leq \text{Water Pressure} \leq 0.4\text{MPa}$ .
02. **Power Supply** : Bathtub Power : 1500W, Rated Voltage : AC220V~240V / 50~60Hz, Single-phase three-wire 3x4mm<sup>2</sup> copper insulated wire, Independent electrocircuit, install the Creepage protection ,must have the reliable ground wire protection. Install a 16A waterproof socket on the 300mm height wall to connect the bathtub pump plug.
03. **Water Drainage** : the Floor drain outlet should be  $\geq \text{DN50}$ , keep the same level as the ground.
04. The computer control system with the extend CD function, so can install the CD socket above the power socket.

Power Use Advice: The Power Supply Switch(With the Creepage Protection Switch ) should be mounted about 1000 mm away from the bathtub during installation in the site so that the power can be cut off after each use to ensure safety and the service life of computer control system of the product.

MODEL:WG-U2605A

SIZE:1900X1000X740



**Three Dimensional  
Installation Diagram**

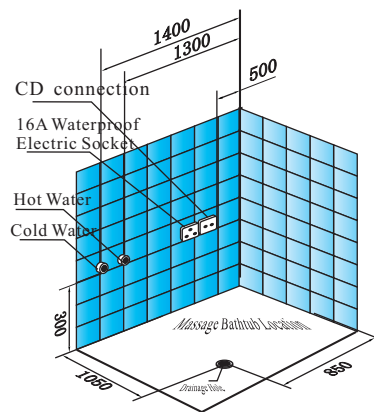
**Plane Diagram**

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04. The computer control system with the extend CD function, so can install the CD socket above the power socket.
05. **Bathtub without skirt installation**: Build walls around bathtub with bricks. But reserve a place for 500mm(L)x450mm(H) near the location of control box to examine and repair. Reserve a place for 250mmx250mm near the location of drainage hole to examine and link the pipes. The height of the walls must be on the same line with the lower edge of bathtub. The surface of the walls shall stretch into the edge of bathtub for 20mm.

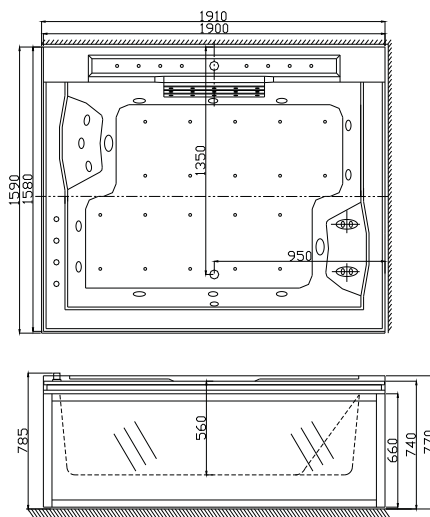
Power Use Advice: The Power Supply Switch(With the Creepage Protection Switch ) should be mounted about 1000 mm away from the bathtub during installation in the site so that the power can be cut off after each use to ensure safety and the service life of computer control system of the product.

MODEL:WG-U2606/U2606B

SIZE:1910X1590X770



**Three Dimensional Installation Diagram**



**Plane Diagram**

01. **Water Supply** : one hot water pipe and one cold water pipe, Install the DN15(G1/2) shut-off valve on the 300mm height wall,  $0.15\text{Mpa} \leq \text{Water Pressure} \leq 0.4\text{MPa}$ .

02. **Power Supply** : Bathtub Power : 1700W, Rated Voltage : AC220V~240V / 50~60Hz, Single-phase three-wire  $3 \times 4\text{mm}^2$  copper insulated wire, Independent electrocircuit, install the Creepage protection ,must have the reliable ground wire protection. Install a 16A waterproof socket on the 300mm height wall to connect the bathtub pump plug.

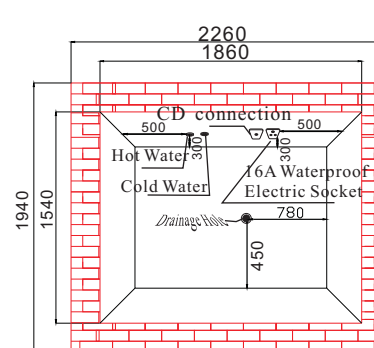
03. **Water Drainage** : the Floor drain outlet should be  $\geq \text{DN}50$ , keep the same level as the ground.

04. The computer control system with the extend CD function, so can install the CD socket above the power socket.

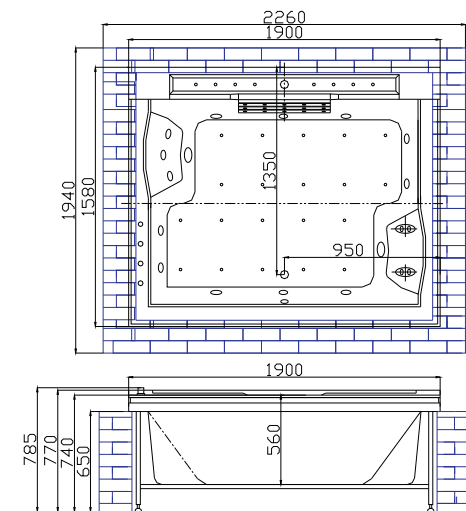
Power Use Advice: The Power Supply Switch(With the Creepage Protection Switch ) should be mounted about 1000 mm away from the bathtub during installation in the site so that the power can be cut off after each use to ensure safety and the service life of computer control system of the product.

MODEL:WG-U2606A

SIZE:1900X1580X770



**Three Dimensional Installation Diagram**



**Plane Diagram**

01. **Water Supply** : one hot water pipe and one cold water pipe, Install the DN15(G1/2) shut-off valve on the 300mm height wall,  $0.15\text{Mpa} \leq \text{Water Pressure} \leq 0.4\text{MPa}$ .

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03. **Water Drainage** : the Floor drain outlet should be  $\geq \text{DN}50$ , keep the same level as the ground.

04. The computer control system with the extend CD function, so can install the CD socket above the power socket.

5. Bathtub without skirt installation: Build walls around bathtub with bricks. But reserve a place for 500mm(L) $\times$ 450mm(H) near the location of control box to examine and repair. Reserve a place for 250mm $\times$ 250mm near the location of drainage hole to examine and link the pipes. The height of the walls must be on the same line with the lower edge of bathtub. The surface of the walls shall stretch into the edge of bathtub for 20mm.

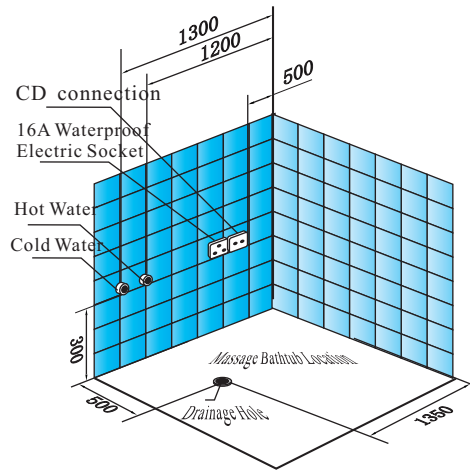




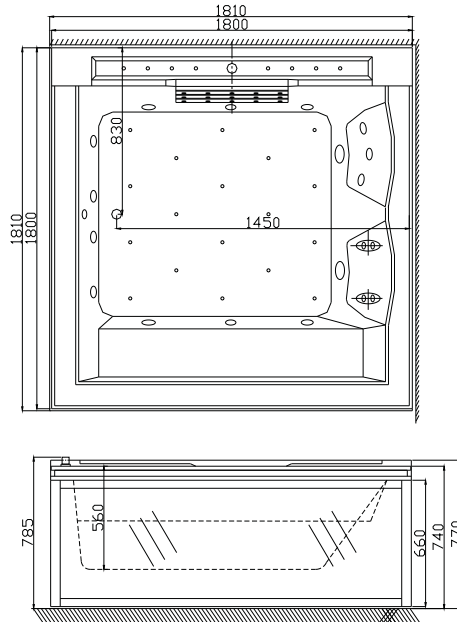
Power Use Advice: The Power Supply Switch(With the Creepage Protection Switch ) should be mounted about 1000 mm away from the bathtub during installation in the site so that the power can be cut off after each use to ensure safety and the service life of computer control system of the product.

MODEL:WG-U2608/U2608B

SIZE:1810X1810X770



**Three Dimensional  
Installation Diagram**



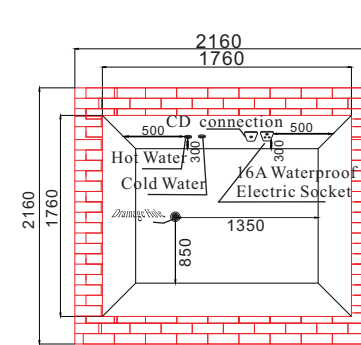
**Plane Diagram**

01. **Water Supply** : one hot water pipe and one cold water pipe, Install the DN15(G1/2) shut-off valve on the 300mm height wall,  $0.15\text{Mpa} \leq \text{Water Pressure} \leq 0.4\text{MPa}$ .
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03. **Water Drainage** : the Floor drain outlet should be  $\geq \text{DN50}$ , keep the same level as the ground.
04. The computer control system with the extend CD function, so can install the CD socket above the power socket.

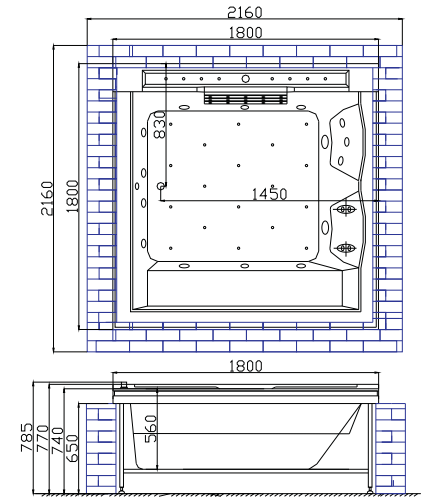
Power Use Advice: The Power Supply Switch(With the Creepage Protection Switch ) should be mounted about 1000 mm away from the bathtub during installation in the site so that the power can be cut off after each use to ensure safety and the service life of computer control system of the product.

MODEL:WG-U2608A

SIZE:1800X1800X770



**Three Dimensional  
Installation Diagram**



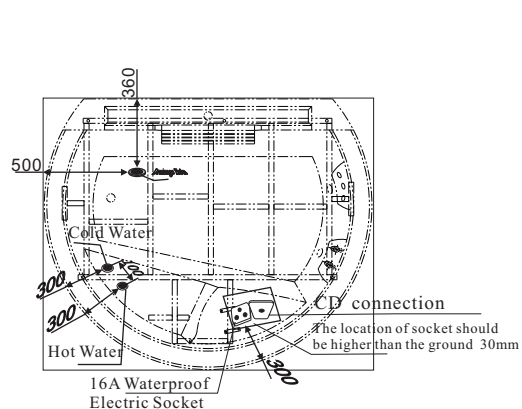
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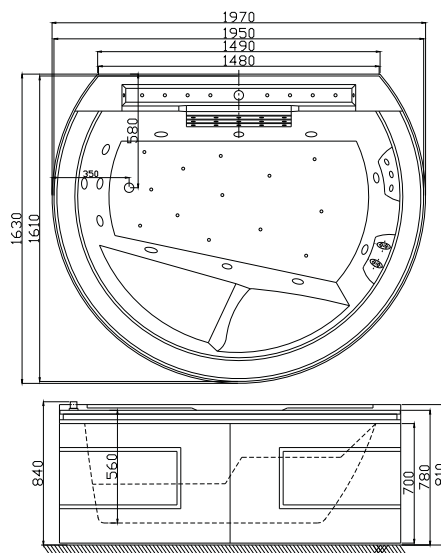
Power Use Advice: The Power Supply Switch(With the Creepage Protection Switch ) should be mounted about 1000 mm away from the bathtub during installation in the site so that the power can be cut off after each use to ensure safety and the service life of computer control system of the product.

MODEL:WG-U2609

SIZE:1970X1630X810



**Three Dimensional  
Installation Diagram**



**Plane Diagram**

01. **Water Supply** : one hot water pipe and one cold water pipe, Install the DN15(G1/2) shut-off valve on the 300mm height wall,  $0.15\text{Mpa} \leq \text{Water Pressure} \leq 0.4\text{MPa}$ .

02. **Power Supply** : Bathtub Power : 1700W, Rated Voltage : AC220V~240V / 50~60Hz, Single-phase three-wire  $3 \times 4\text{mm}^2$  copper insulated wire, Independent electrocircuit, install the Creepage protection ,must have the reliable ground wire protection. Install a 16A waterproof socket on the 300mm height wall to connect the bathtub pump plug.

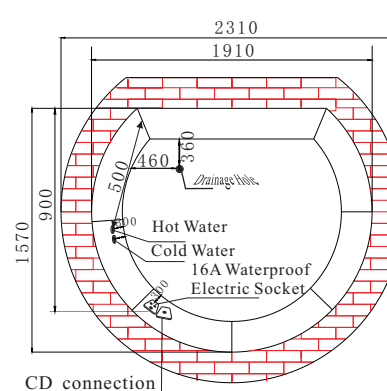
03. **Water Drainage** : the Floor drain outlet should be  $\geq \text{DN}50$ , keep the same level as the ground.

04. The computer control system with the extend CD function, so can install the CD socket above the power socket.

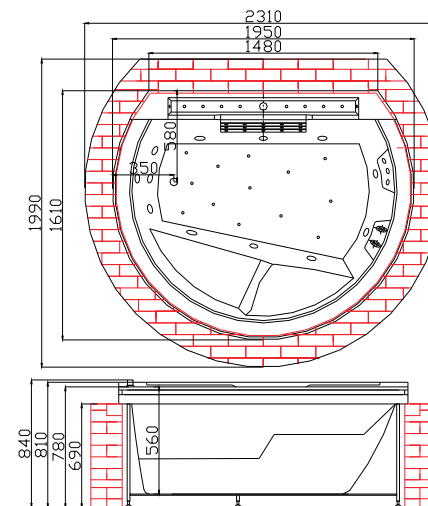
Power Use Advice: The Power Supply Switch(With the Creepage Protection Switch ) should be mounted about 1000 mm away from the bathtub during installation in the site so that the power can be cut off after each use to ensure safety and the service life of computer control system of the product.

MODEL:WG-U2609A

SIZE:1950X1610X810



**Three Dimensional  
Installation Diagram**



**Plane Diagram**

01. **Water Supply** : one hot water pipe and one cold water pipe, Install the DN15(G1/2) shut-off valve on the 300mm height wall,  $0.15\text{Mpa} \leq \text{Water Pressure} \leq 0.4\text{MPa}$ .

02. **Power Supply** : Bathtub Power : 1700W, Rated Voltage : AC220V~240V / 50~60Hz, Single-phase three-wire  $3 \times 4\text{mm}^2$  copper insulated wire, Independent electrocircuit, install the Creepage protection ,must have the reliable ground wire protection. Install a 16A waterproof socket on the 300mm height wall to connect the bathtub pump plug.

03. **Water Drainage** : the Floor drain outlet should be  $\geq \text{DN}50$ , keep the same level as the ground.

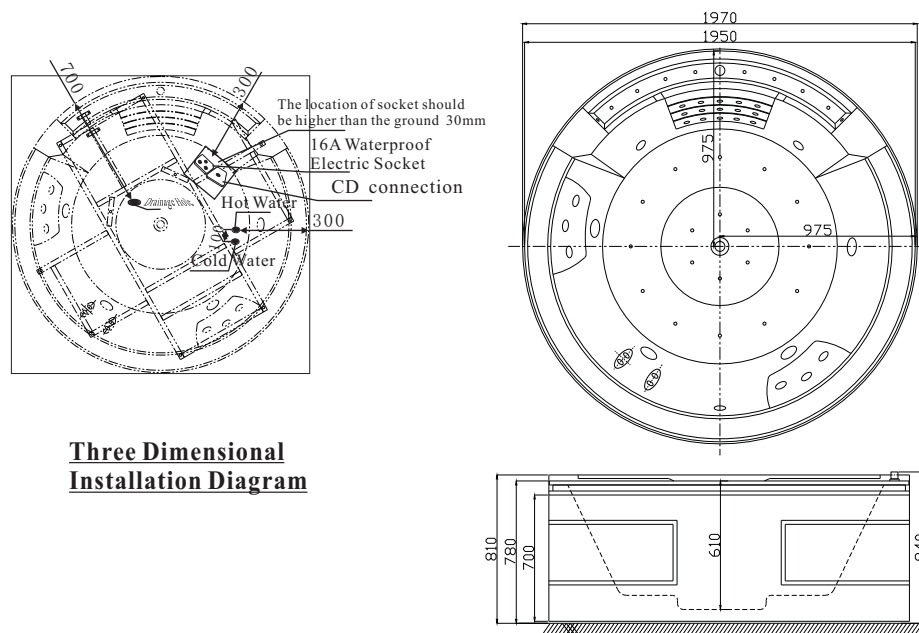
04. The computer control system with the extend CD function, so can install the CD socket above the power socket.

5. Bathtub without skirt installation: Build walls around bathtub with bricks. But reserve a place for 500mm(L)x450mm(H) near the location of control box to examine and repair. Reserve a place for 250mmx250mm near the location of drainage hole to examine and link the pipes. The height of the walls must be on the same line with the lower edge of bathtub. The surface of the walls shall stretch into the edge of bathtub for 20mm.

Power Use Advice: The Power Supply Switch(With the Creepage Protection Switch ) should be mounted about 1000 mm away from the bathtub during installation in the site so that the power can be cut off after each use to ensure safety and the service life of computer control system of the product.

MODEL:WG-U2603

SIZE:1970X1970X810



**Three Dimensional  
Installation Diagram**

**Plane Diagram**

01. **Water Supply** : one hot water pipe and one cold water pipe, Install the DN15(G1/2) shut-off valve on the 300mm height wall,  $0.15\text{Mpa} \leq \text{Water Pressure} \leq 0.4\text{MPa}$ .

02. **Power Supply** : Bathtub Power : 1700W, Rated Voltage : AC220V~240V / 50~60Hz, Single-phase three-wire 3x4mm<sup>2</sup> copper insulated wire, Independent electrocircuit, install the Creepage protection ,must have the reliable ground wire protection. Install a 16A waterproof socket on the 300mm height wall to connect the bathtub pump plug.

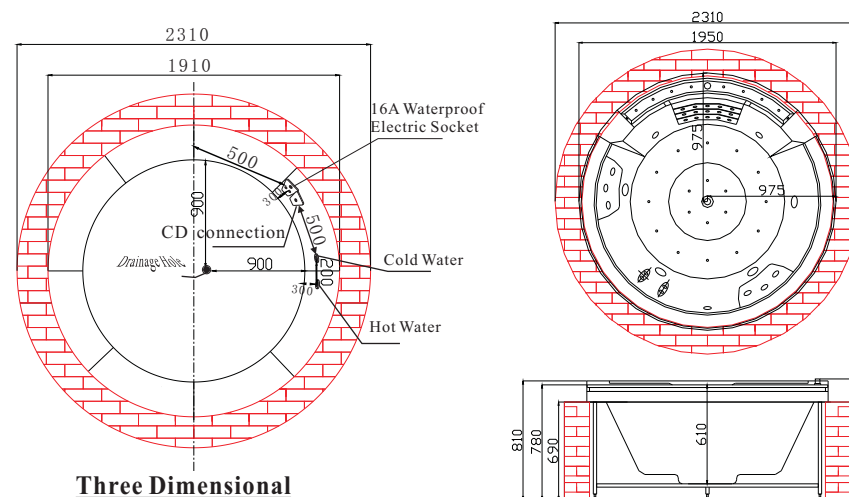
03. **Water Drainage** : the Floor drain outlet should be  $\geq \text{DN50}$ , keep the same level as the ground.

04. The computer control system with the extend CD function, so can install the CD socket above the power socket.

Power Use Advice: The Power Supply Switch(With the Creepage Protection Switch ) should be mounted about 1000 mm away from the bathtub during installation in the site so that the power can be cut off after each use to ensure safety and the service life of computer control system of the product.

MODEL:WG-U2603A

SIZE:1950X1950X810



**Three Dimensional  
Installation Diagram**

**Plane Diagram**

01. **Water Supply** : one hot water pipe and one cold water pipe, Install the DN15(G1/2) shut-off valve on the 300mm height wall,  $0.15\text{Mpa} \leq \text{Water Pressure} \leq 0.4\text{MPa}$ .

02. **Power Supply** : Bathtub Power : 1700W, Rated Voltage : AC220V~240V / 50~60Hz, Single-phase three-wire 3x4mm<sup>2</sup> copper insulated wire, Independent electrocircuit, install the Creepage protection ,must have the reliable ground wire protection. Install a 16A waterproof socket on the 300mm height wall to connect the bathtub pump plug.

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## IV、Installation Guide

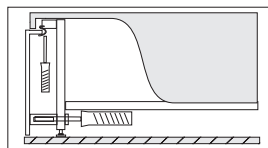
### 1. Installation of massage bathtub

- (1) During installation, it is required to handle with care to prevent the product from crashing.
- (2) Install the bathtub into the using position. The surface level of the bathtub should be measured and balanced horizontally with level meter. Loosen the screw nuts of each supporting foot and adjust the height of them to be horizontal. Each supporting foot must be pushed against the ground tightly without hanging, then tighten the screw nuts of each supporting foot. (The step must be done well, or else the stability of cylinder body and effects of waterfull will be influenced.)
- (3) Installation of handle shower: Put a soft glue cushion in the hose joint at the end of shower chain, then connect with handle shower tightly.
- (4) Connection of hot/cold water pipe: Tightly connect the red and blue pipe (under the cold/hot water regulating switch valve) with cold/hot water shut-off valve respectively. (The red pipe is hot water, blue pipe is cold water.)
- (5) Connection of drain hose: Insert the drain stretch hose into the mouth of water outlet for at least 50mm, and seal the seam of hose mouth with glass adhesive.
- (6) Connection of Power: Put the plug of bathtub into 16A waterproof grounding socket (3-pole socket), examine the creepage protection of the plug, (Push the trial button, the indicator light goes out, and the power supply is cut off; Push the reset button, the indicator light is on, and power is connected) and adjust position of the antenna wire on the electric cabinet.
- Be sure to examine the power supply is the same with the electric parameter of this product, the socket is well grounded, and equipped with creepage overload protection device.
- (7) Fill water into the bathtub, turn on the power to have a trial running and drain the water. Examine the quality and effects of installation.
- (8) Push the bathtub close to the wall, and fill in the gap between bathtub and wall with sealing glue.

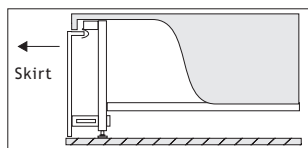
### 2. Installation and dismantling of glass skirt:

The glass skirt of the product is easy and convenient to dismount and repair.

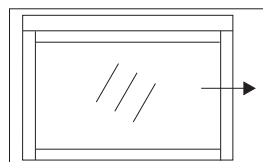
- (1). Loosen the upper and lower fixed screws on the side of glass skirt. See picture A.
- (2). Pull outwards and pull back the glass skirt. Dismount the front skirt and the skirt on the other side in the same way. See picture B、C.
- (3). Operate reversely when install the skirt.



picture A



picture B



picture C

## V、Operation Guide

1. Switch on 220V power supply.
2. Turn on the control switch to clean the bathtub firstly. Then fill the water into massage bathtub till all the nozzles are submerged for more than 5cm to avoid nozzles squirt the water to outside of bathtub. (It is recommended to adjust it to a suitable temperature and then fill the water)

### 3. Handling instruction of control switches:

U2603、U2609 schematic drawings



shower head

(3) Transfer switch

(1) Cold/hot water regulating switch  
(2) Cleaning switch

U2605、U2606、U2607、U2608 schematic drawings

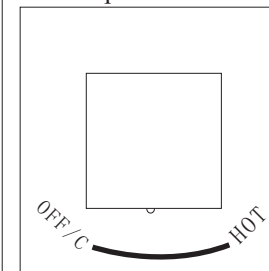


(1) Cold/hot water regulating switch  
(2) Cleaning switch

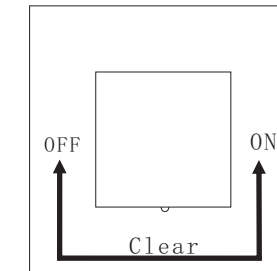
shower head

(4) Airflow switch valve

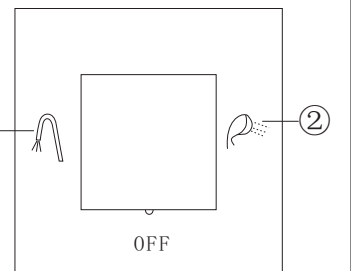
Cold/hot water regulating switch panel



Pipe cleaning switch panel



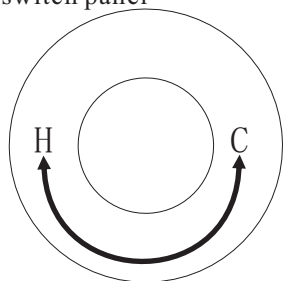
Transfer switch panel



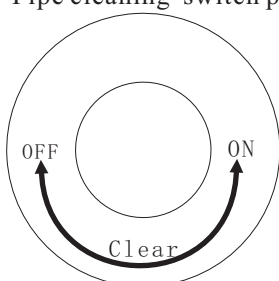
① feed cock ② Shower head

3. 1 Cold/hot water regulating switch: The word "Hot" on the panel means hot water, and "C" means cold water. Rotate around the tap to adjust the temperature of water. "OFF" means the cold/hot water is both. (Notice: when using it, please start the cold water first, and adjust the hot water until the water get a suitable temperature. So that you won't get hurt by hot water.)
3. 2 Cleaning switch: Each time before and after use, Rotate around the tap to "ON" to start the pipe cleaning. After 5 to 10 minutes, rotate around the tap to "OFF" to stop cleaning. (Notice: When the cold/hot water is shut off, be sure that this function is stopped before starting the hydromassage. Or else the water pump can not work normally.)
3. 3 Transfer switch: The mark "⌋" on the panel means waterfull inlet, "⌋" means handle shower, "OFF" means stop. Rotate the tap to corresponding function, then you can either inlet the water or take shower by handle shower. (Notice: Before start the water pump, be sure that the tap can not be rotated to waterfull inlet to avoid the water in bathtub flows backwards.)

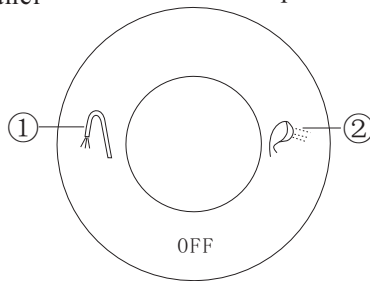
Cold/hot water regulating switch panel



Pipe cleaning switch panel

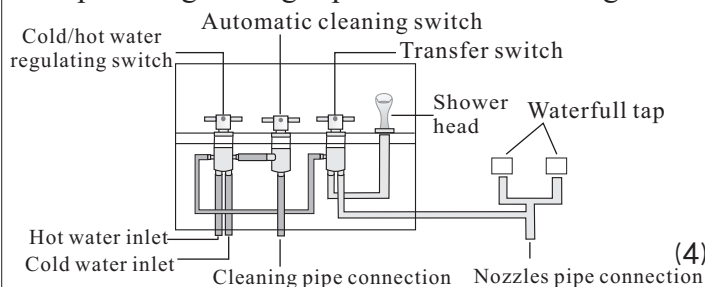


Transfer switch panel

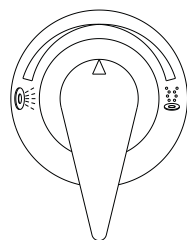


①feed cock ②Shower head



Pipe of regulating tap schematic drawings





(4)Airflow switch valve



3. 4 Airflow switch valve: The valve has two functions.

A: Airflow switch and the water flow enhancement function: When using it, start the air pump through the computer panel, and rotate the switch valve to the bottom air-blow nozzles function “” to start the bottom bubble bath. Or retate the switch valve to the hydromassage nozzles function “” to get better massage effects of hydromassage by enhancing the water flow and the bubble numbers.

B: Warm-air pipe dryer function: After each use, Turn on the drainer to drain the water in the bathtub, start the air pump, rotate the switch valve to the hydromassage nozzles function “” for 10 to 15 minutes and the bottom air-blow nozzles function “” for 2 minutes. The pump will dry the hydromassage massage pipe and air-bubble bath pipe respectively with warm air to end up the pipe damp conditions of bacterial reproduction. Thus bubble bath becomes more healthy when you use it next time.

4. Acoording to the handling instruction of computer panel, press the switch of water pump to start the circulating waterfull and underwater colorful lights. Rotate the air regulator for free regulation of water power.

5. The usage of Drainer: Clockwise rotation of the hand wheel of drainer means to stop draining, and anticlockwise rotation of it means to start draining. The drainer can drain both the cylinder body and waterfull groove. When the hand wheel of drainer is submerged, the water will be drained to avoid overflow of water. The drainer is also equiped with deodorising apparatus to fence out the odor of sewer.

6. After each time use, please cut off the power and water supply.

## VII、Matters Need Attention

1.The massage bathtub must be installed by qualified persons taking the right installation steps.

The power plug is attached with separate Electric Creepage Protection Switch, but is only used for passive safety.

2.Customers must be sure that the power supply is well grounded and comply with the safety standards of country. Mount the valid Creepage Overload Protection Switch. The protection switch is only used for passive safety.

3.Please cut off the power after each time use.

4.Strong acid and alkali medicine must not used in bathtub.

5.Do not use over-temperature water(not more than 80OC). Repeated use of over-temperature water will reduce the service life of massage bathtub.

6.During hydromassage massage, do not add foaming matters or too much plant cosmetics.

7.During hydromassage massage, the suction inlet must not be jammed. Or else, the water pump will be overloaded and damage due to over heating.

8.Iron items cannot be put in the bathtub to prevent from generating rusty spots. In case of rusty stains occurs, you can clean them with toothpaste and soft cloth.

9.The warranty period of the product is 12 months after sale, which should be subject to the conditions prescribed in product certificate and warranty certificate.

## VIII、Cleaning and Maintenance

1.Usual cleaning detergent and soft cloth can be used for daily cleaning of bathtub. Acetone, ammonia or other item made of such matter must not be used. (disinfector containing formic acid or ketone is not allowed to use)

2.The indelible spots can be cleaned with toothpaste and soft cloth.

3.The surface scale can be cleaned with light acidic detergent. It is recoomended to clean with cloth wetted with lemon in warm state.

4.In case there is slight scratch or burn on the surface, you can grind the surface with 1000#sand paper and 1500# fine sand paper wetted with water. (the area shall be soaked with water during grinding process) Then polish it by toothpaste and soft cloth.(Polishing wax preferred)

5.Even after it has been used for many years, you can use polishing agent to keep a bright surface just like new.

6. When the hardness of water is too high, it is recommended to clean hydromassage device every year.

The specific process is as follows:

- Fill the bathtub with hot water(40°C).
- Fill in dosis of 2g cleaning agent in each liter of water; start hydromassage device to run for ten minutes. Then stop the pump, and drain off the water
- Fill the massage bathtub with cold water; start hydromassage device to run for three minutes. Then stop the pump, drain off the water and clean the massage bathtub

## IX、Common Trouble Shooting


Phenomenon	Causes	Solution
The bathtub cannot work	No power supply	Check if the power supply and Creepage switch is in normal condition and insert the power plug firmly.
No water comes from the nozzles	1. The water level is not high enough. 2. Air in the water pump 3. The water gauze is jammed by sundries. 4. The water pump is damaged.	1. Add water until it is 5mm over the nozzle at the highest place. 2. <b>A.</b> Start the Cleaning valve to add water to drain off the air. <b>B.</b> If there is no water supply, you need to shut off the cleaning valve and cold/hot water inlet valve. <b>C.</b> Press the surfing button of water pump until the surfing function is back to normal. 3. Clean the sundries of backwater gauze 4. Replace the water pump.
The impulsive force of nozzles is too low	1. The power supply is not in normal condition and the voltage is too low. 2. Backwater dust gauze is jammed by sundries. 3. Water inlet and outlet of water pump and backwater pipes leak water. 4. Adjustable big nozzles are not properly adjusted.	1. Start hydromassage device after power supply is back to normal. 2. Clean the dust gauze. 3. Tighten the joint of water pump and fix up the leakage place. 4. Adjust the nozzle to its utmost.
Water pipe is leaking	1. Poor sealing. 2. The joint is not well glued. 3. The screw is not tightened. 4. Water pipe is broken.	1. Replace the sealing rubber ring. 2. Remove the previous glue and reglue the joint. 3. Lock the screws of connector. 4. Replace the water pipe.
The water cannot be drained off completely	The bathtub is not flat.	Adjust the bracket and balance the bathtub.
The gilded part is spotted	The hardness of tap water is too high.	Clean lightly with toothpaste and soft cloth. The Tianna water must not be used for cleaning.
There are scratches on the surface of bathtub	The bathtub is scratched by sharp metal	Grind the surface with 1500# fine sand paper wetted with water carefully and polish it by toothpaste and soft cloth.
Poor effects of radio	The signal of antenna is not strong.	Adjust the antenna to the best position of receiving signals.


## Operation Manual of Control System

### I、Preface

We write this book in order to help installation and operation and to prolong its lifetime and ensure the safety during using.

### II、Safety

 Danger symbol: This icon reminds the users that this product has dangerous voltage!

 Warning symbol: This icon reminds the users that this product is enclosed with important operating and maintenance instruction!

### 【Warning】

1. In order to prevent fire or electric shock accident, do not expose the controller to the rain or humid environment. There are dangerous high-tension fittings inside the controller, therefore do not open the cover. Entrust the repairing work only to the qualified professional repairing personnel when repairing is required.
2. Without the clear approval from the controller manufacturer or its authorized units, any change or alternation to this controller might bring various inconveniences to the users when in use.

### 【Attention】

1. Please read this operating instruction manual thoroughly, so as to allow you to master the correct use of this controller.
2. After reading this operating instruction manual, please keep it safe and for reference in the future. If repairing is required, please contact the local dealer or the technical service center of our company.

### 【Notice for use】

1. In case this controller is not used for a long time, please remove the power plug from the socket.
2. Before switching on the power, please make sure that all wirings and power cord have been connected accurately.
3. Please put this controller in a ventilated dry area. Prevent it from getting close to the heat source, put it away from direct sunlight, mechanical vibration, dampness and dusty environment, and prevent it from getting close to other thermal-radiating objects.

### 【Helpful suggestion】

1. In order to prolong the service life of this controller, the time interval for continuously turning on and off the machine must be over 30 seconds.
2. Please switch off the power after use.
3. The power supply used must be consistent with the voltage specified value indicated on this controller; otherwise it will not work, or even burn out the controller.
4. When installing this controller, carefully check if the load parameters are consistent with the parameters required by this controller, otherwise it will not work, or even burn out the controller.
5. If it is halted accidentally, please close and restart.

### III 、Precautions for Installation and Use

Users must carefully read the following precautions to ensure the normal use of the product, extension of its service life and the personal safety:

1. Users must install loads in strict compliance with the circuit diagrams and parameters supplied by our company.
2. Outer CD frequency signal cannot be too strong; otherwise the system power enlarger will be burnt out.
3. The ground wire must be connected to the power supply line with good grounding.
4. The end user should use power supply cables in 3 x 3mm<sup>2</sup> or wider cable diameter. According to the National standards (GB).The socket should be of 30A or above according to the National standards (GB).
5. The end user should install air-break or leakage switch of 30A or above according to the National standards (GB).
6. Strictly check the power supply wiring of the control box. Power on to use only after no errors confirmed.
7. The electric appliances recommended by illegal manufacturers must not be connected to the controller. Unapproved dismantling and modification of the enclosed internal wiring are strictly prohibited. It is not allowed to connect or plug the wires and plug-in units on the power supply box during the power-on.
8. The connecting wires of the power supply box should be connected and plugged correspondingly according to the tags and specifications of the connectors. The output wires can not be short circuited each other.

9. After using, please cut off the power to avoid aging of the device.

10. The installation of the controller must be performed in strict compliance with the installation instructions by qualified persons.

11. No recoverable elements exist in the controller. Don't try to improve it by yourself for the high voltage in the controller can cause dangers. The maintenance and adjustment must be performed by professionals.

For any consequences caused by wrong operation, the user should bear the responsibility.

### IV、Brief Introduction

#### 1. General Description of Functions

Model		PR9631	PR9631M	PR9633	PR9633M
Functions					
1.	Touching Technology	√	√	√	√
2.	Lock	√	√	√	√
3.	Surf pump	√	√	√	√
4.	Blower	√	√	√	√
5.	Bottom Light	√	√	√	√
6.	Thermostatic Heating			√	√
7.	FMDigital Turning Radio	√	√	√	√
8.	PlayCD Program	√		√	
9.	MP3		√		√
10.	Level Detection	√	√	√	√
11.	Ozone	√	√	√	√
12.	Cleaning	*	*	*	*
13.	Remote Control	*	*	*	*

Note: “\*” stands for the optional function, a S” will be add to the model number if select the optional function;

#### 2.Controller System Including:

- 1) Hand held infrared remote controller (1) ;
- 2) Control panel (1) ;
- 3) Control electric box (1) .



### 3. Characteristics of the Controller

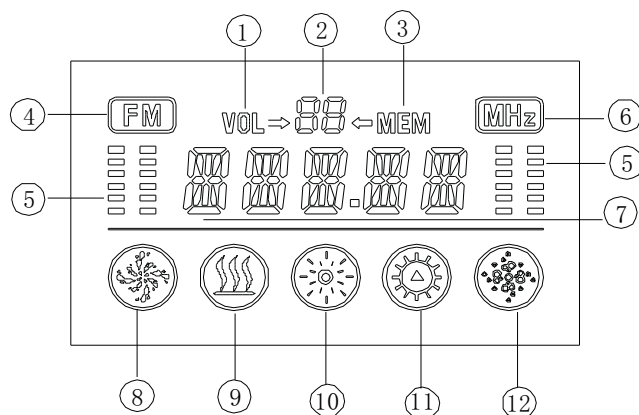
- 1) Rated voltage : AC220V ~ AC240V
- 2) Working voltage range : AC180V ~ AC248V
- 3) Rated power : 50HZ/60HZ
- 4) Controllable current: : <25A
- 5) Power consumption : <10W (all loads OFF)
- 6) Applied ambient temperature : +5°C ~ +40°C
- 7) Sensitivity to the noise limit of the radio : 20 dBμV
- 8) Step-down transformer meeting the requirements of 1500V high voltage test as specified by IEC standard.

### 4. Characteristics of the controller

- 1) Rated voltage : 3.0VDC
- 2) Power supply : 7#1.5V battery two pieces
- 3) Expected battery life : over one year
- 4) Transmission range: The distance between the receiver and infrared sensor should be 5m at least
- 5) Transmission angle: Usually about 60°
- 6) Transmission media: Infrared ray

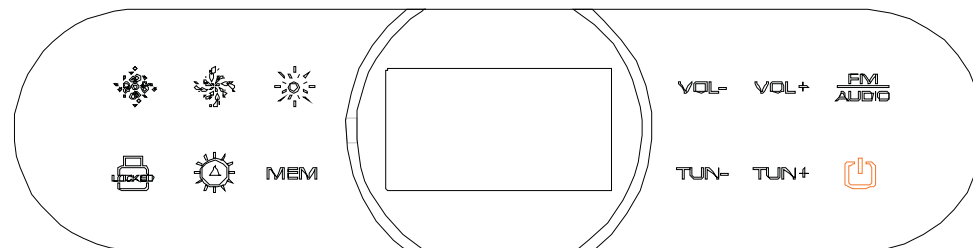
### 5. Devices controlled by the controlling system

- 1) Water pump surf: AC220V/2HP
- 2) Blower : AC220V/2HP
- 3) Thermostatic heating : AC220V/2000W
- 4) Bottom lamp : AC12V/20W
- 5) Electromagnetism valve: DC12V/5W \* 1
- 6) Loudspeaker: 8Ω/10W1)
6. The LCD shows the following information

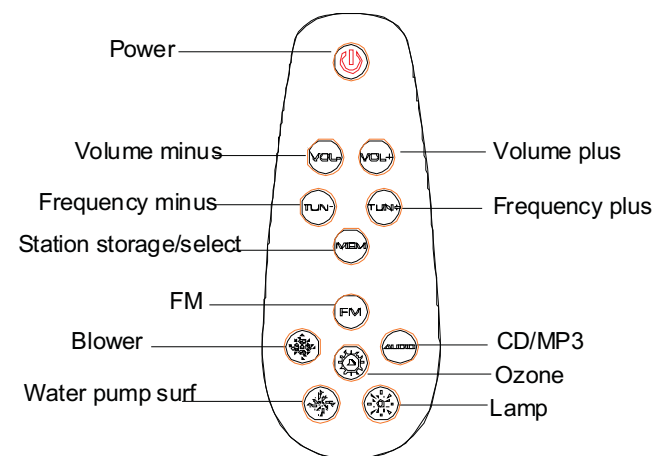


- 1) Icon of the volume
- 2) Volume and storage position displaying
- 3) Icon of storage position
- 4) Icon of FM
- 5) Icon of FM hopping state
- 6) Unit of FM frequency
- 7) Frequency displaying
- 8) Icon of water pump surf
- 9) Icon of thermostatic heating
- 10) Icon of lamp
- 11) Icon of ozone
- 12) Icon of blower

### 6. Schematic Diagram of control panel



- 1) blower
- 2) water pump surf
- 3) lamp
- 4) lock
- 5) ozone
- 6) station storage/select MEM
- 7) volume minus VOL-
- 8) volume plus VOL+
- 9) FM/CD(or MP3) switch FM AUDIO
- 10) frequency minus TUN-
- 11) frequency plus TUN+
- 12) power




PR9631/PR9631M Remote controller




## V、Operation of Control Panel

1 The panel is with touch function, the duration of the touch is about 0.5 s. When any function button works, there is a sound of “Di...”

2 “” power


Press “” to start the controller; press again to stop the controller.




3 “” Lock

If no operation with the control panel for 5 minutes, all the keys will be locked except “”, LCD displays “LOCK”.

When the keys were locked, press “” for 3 seconds, the keys will be unlocked after a “di...”, icon “LOCK” disappear.

When the keys were locked, press “” for 3 seconds, the keys will be locked after a “di...”, LCD displays “LOCK”.

4 “” Lamp



Press the power switch icon, lamp is turned on, LCD displays “”, then press “”, lamp is turned off. press “” another time, lamp is turned on.



5 “” Blower



When the system is on, press “” to start the blower, LCD displays “”; press again, blower is stopped.

6 “” Water pump surf

1 The water checking device of this controller protects the water pump from burning out.



2 Press “” to start the pump, LCD displays “”.

When the water level lower than the setting value, pump stops working, “” on LCD blinks. When the water level achieves the setting value, pump starts working, “” stops blink.

3 When the pump is working, press “” to stop the pump, “” on LCD disappears, and thermostatic heating function is stopped (if the thermostatic heating is on).

4 When the water surf pump function is on, and the system checks the water level lower than the setting value, water surf pump function stops automatically, at the same time the pump icon blinks. When any time the system checks the water level achieves the setting value, the icon stops blink and the pump starts to work.

7 FM/CD 

1 When the system is on, press the icon, FM function starts, LCD displays “”、 “” and the frequency, press again, CD function is on, LCD displays CD, press another time, CD function stops.

2 The FM frequency scope is 87.5MHz—108.0MHz.

3 Frequency plus

3.1 Press “TUN+” to increase the length of one step (the length of one step = 50KHz): Press this button over 2 seconds, the system searches the radio stations of larger frequencies automatically; the digital phase locked loop will lock the FM station automatically and the LCD shows the present frequency, when it reaches to the limit of 108.0MHz, press this button again and the frequency jumps to 87.5MHz.

4 Frequency minus

Press “TUN-” to decrease the length of one step (the length of one step = 50KHz). Press this button over 2 seconds, the system searches the radio stations of smaller frequencies automatically; the digital phase locked loop will lock the FM station automatically and the liquid crystal shows the frequency of this station; When it reaches to the limit of 87.5MHz, press this button again and the frequency jumps to 108.0MHz.

5 Volume plus

5.1 The tuning steps are 40 with each step 2 dB and the volume adjusting range shall be 0~80.

5.2 When CD function is on, the volume shall be increased by 2dB after press “1.1.1” once, when press it for more than 2s, the volume shall be increased at the speed 10dB/s.

### 5 Volume minus

When the FM or CD function is on, the volume shall be decreased 2dB after press “VOL-” once, when press it for more than 2 seconds, the volume shall be decreased at the speed 10dB/s.

### 6 Station storage/select

6.1 Station storage: when FM function is on and select the station frequency to be stored, press “MEM” for 2 seconds, “◀MEM” shall blink, then press “MEM” to select the location for storage, then press “MEM” for 2s, the station frequency shall be stored in the selected storage location.

6.2 Station select: When FM function is on, press “MEM” the corresponding stored station can be selected while LCD displays the corresponding storage location number and “◀MEM”, 5 seconds later, LCD displays the volume.

### 7 Ozone

Press “ ” for 2 seconds , the ozone function starts and works for 10 minutes and then stops; or press “ ” for 2 seconds to stop the function.

### 8 Cleaning

10 minutes after draining of the water (the water level detector cannot check the water for 10 minutes), cleaning function works automatically and stops 1 minute later.

## **VI、 Operation of Remote Controller**

1. When any function button of this system works, there is a sound of buzzer.
2. The function button and operation is corresponding to those of control panel.
3. Key lock doesn't works on remote controller, press any keys on the remote controller can unlock the keys on control panel.

## **VII、 Malfunction**

If the temperature sensor occurs error, LCD displays “E1” and the controller sounds “DI…DI…” □, during then the heater cannot be start.

## **VIII、 Declaration**

- a) Any maintenance or repairing should be handled by qualified maintenance personal authorized by the manufacturer or agent of this controller. Otherwise, the products cannot enjoy free maintenance and any results will be bore by the customer.
- b) This manual is just for reference. If there are any changes or modifications on the design or explanation, please excuse for no further notice. If there are any mistakes or unclear points, the explaining right belongs to the manufacturer.